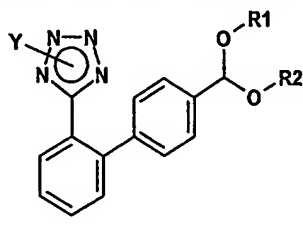


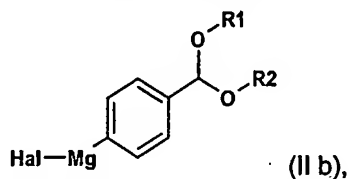
What is claimed is:

1. A process for the manufacture of the compound of formula (I)



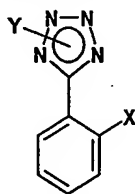
(I),

wherein Y represents a tetrazole protecting group, and R₁ and R₂, independently of one another, represent C₁-C₁₀-alkyl, or R₁ and R₂ combined together form C₂-C₁₀-alkylene; comprising reacting an aryl magnesium halide compound of formula (II b)



(II b),

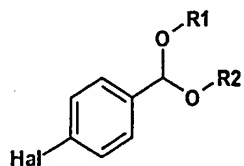
wherein Hal is chlorine, bromine or iodine, in the presence of a transition metal catalyst and a catalytically effective amount of a metal salt additive, with a compound of formula (II c)



(II c),

wherein X is a substituent which, when bound to a phenyl ring, is not considerably replaceable at room temperature by an aryl magnesium halide reagent of formula (II b) in the absence of a catalyst; and, if necessary, isolating a resulting compound of formula (I).

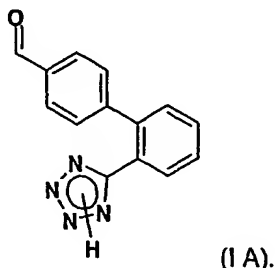
2. A process according to claim 1, wherein an aryl magnesium halide reagent of formula (II b) is prepared by reacting a compound of formula (II a)



(II a),

wherein R₁, R₂ and Hal have meanings as defined in claim 1, with an active form of magnesium in an appropriate solvent.

3. A process according to claim 1 or 2, which process further comprises deprotecting a compound of formula (I) to afford a compound of formula (I A)

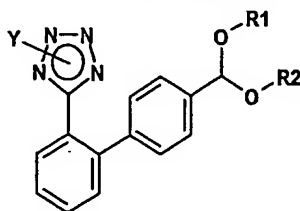


4. A process according to any one of claims 1 to 3, wherein variable Y is selected from the group consisting of 1-butoxyethyl, 1-ethoxyethyl, 2-tetrahydropyranyl and 2-tetrahydrofuranyl.
5. A process according to any one of claims 1 to 4, wherein a transition metal catalyst is a complex of a transition metal or a transition metal salt and one, two or up to four coordinating ligands selected from the group consisting of triphenylphosphine, tri(ortho-tolyl)phosphine, tri(para-tolyl)phosphine, trimethylphosphine, triethylphosphine, tributylphosphine, tri(1,1-dimethylethyl)phosphine, tricyclopentylphosphine, tricyclohexylphosphine, trimethylphosphite, triethylphosphite, tri(1-methylethyl)phosphite, tricyclopentylphosphite, tricyclohexylphosphite, 1,2-bis(diphenylphosphino)ethane, 1,3-bis(diphenylphosphino)propane, 1,4-bis(diphenylphosphino)butane, 1,1'-bis(diphenylphosphino)ferrocene, 1,1'-bis(di-[2-propyl]-phosphino)ferrocene, 1,1'-bis(di-tert-butylphosphino)ferrocene, 1,2-bis(diphenylphosphino)benzene, 2,2'-bis(diphenylphosphino)-1,1'-biphenyl, 2,2'-bis(diphenylphosphino)-1,1'-binaphtyl, bis(2-diphenylphosphinophenyl)ether and 9,9-dimethyl-4,5-bis(diphenylphosphino)xanthene.
6. A process according to claim 5, wherein a transition metal salt is selected from the group consisting of nickel(II) chloride, nickel(II) bromide and nickel(II) acetylacetonate.
7. A process according to claim 5, wherein a transition metal catalyst is selected from the group consisting of dichlorobis(triphenylphosphine)nickel(II), dichloro[1,2-bis(diphenylphosphino)ethane]nickel(II) and dichloro[1,3-bis(diphenylphosphino)propane]nickel(II).
8. A process according to claim 5, wherein a transition metal salt is selected from the group consisting of palladium(II) chloride, palladium(II) bromide and palladium(II) acetate.

9. A process according to claim 5, wherein a transition metal catalyst is selected from the group consisting of dichlorobis(triphenylphosphine)palladium(II), dichloro[1,3-bis(diphenylphosphino)propane]palladium(II) and dichloro[1,1'-bis(diphenylphosphino)ferrocene]palladium(II), or a dichloromethane adduct thereof.
10. A process according to any one of claims 1 to 9, wherein a metal salt additive is selected from the group consisting of a copper(I), copper(II), zinc(II), silver(I), cadmium(II), mercury(II), aluminum(III), gallium(III), indium(III), tin(IV), titanium(IV) and zirconium(IV) salt.
11. A process according to claim 10, wherein the amount of metal salt additive used is between 0.1 and 8 molar% relative to a compound of formula (II c).
12. A process according to any one of claims 1 to 5, wherein X is chlorine; and a transition metal catalyst is a complex of nickel(0), or a complex of nickel(II) salt with at least one organophosphorus compound containing trivalent phosphorus; or a transition metal catalyst is a nickel(II) complex with an organophosphorus ligand which contains two trivalent phosphorus atoms.
13. A process according to claim 12, wherein a transition metal catalyst is dichloro[1,2-bis(diphenylphosphino)ethane]nickel(II); and a metal salt additive is ZnCl_2 or ZnBr_2 .
14. A process according to any one of claims 1 to 5, wherein X is bromine; and a transition metal catalyst is a complex of palladium(0), or a complex of a palladium(II) salt with at least one organophosphorus compound containing trivalent phosphorus; or a transition metal catalyst is a palladium(II) complex with an organophosphorus ligand which contains two trivalent phosphorus atoms.
15. A process according to claim 14, wherein a transition metal catalyst is dichloro[1,1'-bis(diphenylphosphino)ferrocene]palladium(II), or a dichloromethane adduct thereof; and a metal salt additive is ZnCl_2 or ZnBr_2 .
16. A process according to any one of claims 1 to 4, wherein a transition metal catalyst is an uncomplexed transition metal which is selected from the group consisting of nickel, palladium, platinum, cobalt, manganese or copper; or wherein a transition metal catalyst is an uncomplexed transition metal salt which is selected from the group consisting of nickel(II), palladium(II), platinum(II), cobalt(II), manganese(II), copper(I) or copper (II) chloride, bromide, iodide, hydroxide, oxide, acetate, hydroxyacetate, propionate, succinate,

trifluoroacetate, acetylacetonate, nitrate, cyanide, sulfate, trifluoromethanesulfonate, methanesulfonate, benzenesulfonate or p-toluenesulfonate thereof.

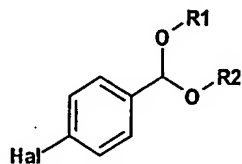
17. A process for the manufacture of the compound of formula (I)



(I),

wherein Y represents a tetrazole protecting group, and R₁ and R₂, independently of one another, represent C₁-C₁₀-alkyl, or R₁ and R₂ combined together form C₂-C₁₀-alkylene; comprising

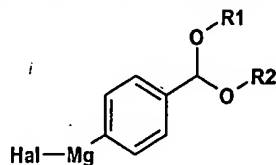
(a) reacting a compound of formula (II a)



(II a),

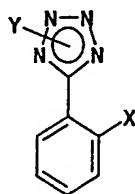
wherein Hal is chlorine, bromine or iodine, with an active form of magnesium in an appropriate solvent

(b) reacting a resulting aryl magnesium halide compound of formula (II b)



(II b)

in the presence of a transition metal catalyst with a compound of formula (II c)

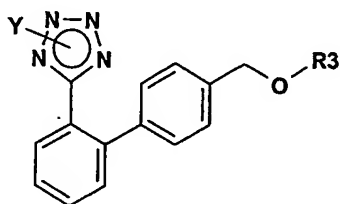


(II c),

wherein X is chlorine, in the absence of a metal salt additive; and, if necessary, isolating a resulting compound of formula (I).

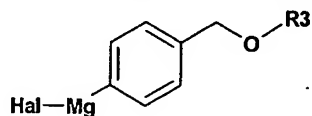
18. A process according to claim 17, wherein a transition metal catalyst is a complex of nickel(0), or a complex of nickel(II) salt with at least one organophosphorus compound containing trivalent phosphorus; or a transition metal catalyst is a nickel(II) complex with an organophosphorus ligand which contains two trivalent phosphorus atoms.

19. A process for the manufacture of the compound of formula (I C)



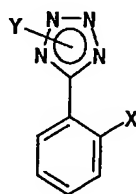
(I C),

wherein Y represents a tetrazole protecting group, and R₃ represents a hydroxyl protecting group; comprising reacting an aryl magnesium halide compound of formula (III b)



(III b),

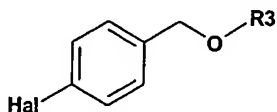
wherein Hal is chlorine, bromine or iodine, in the presence of a transition metal catalyst and a catalytically effective amount of a metal salt additive, with a compound of formula (II c)



(II c),

wherein X is a substituent which, when bound to a phenyl ring, is not considerably replaceable at room temperature by an aryl magnesium halide reagent of formula (III b) in the absence of a catalyst; and, if necessary, isolating a resulting compound of formula (I C).

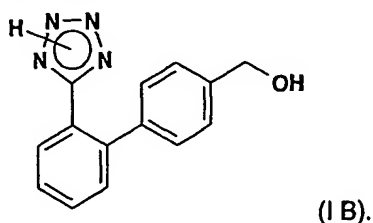
20. A process according to claim 19, wherein an aryl magnesium halide reagent of formula (III b) is prepared by reacting a compound of formula (III a)



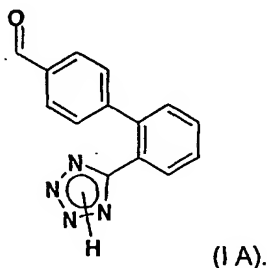
(III a),

wherein R₃ and Hal have meanings as defined in claim 19, with an active form of magnesium in an appropriate solvent.

21. A process according to claim 19 or 20, which process further comprises deprotecting a compound of formula (I C) to afford a compound of formula (I B)



22. A process according to claim 21, which process further comprises treating a compound of formula (I B) with an oxidizing agent in the presence of a suitable solvent to afford a compound of formula (I A)



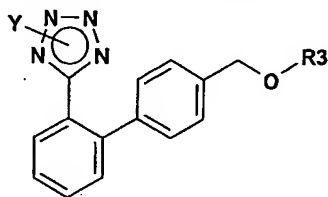
23. A process according to any one of claims 19 to 22, wherein variable Y is selected from the group consisting of 1-butoxyethyl, 1-ethoxyethyl, 2-tetrahydropyranyl and 2-tetrahydrofuranyl.
24. A process according to any one of claims 19 to 23, wherein a transition metal catalyst is a complex of a transition metal or a transition metal salt and one, two or up to four coordinating ligands selected from the group consisting of triphenylphosphine, tri(ortho-tolyl)phosphine, tri(para-tolyl)phosphine, trimethylphosphine, triethylphosphine, tributylphosphine, tri(1,1-dimethylethyl)phosphine, tricyclopentylphosphine, tricyclohexylphosphine, trimethylphosphite, triethylphosphite, tri(1-methylethyl)phosphite, tricyclopentylphosphite, tricyclohexylphosphite, 1,2-bis(diphenylphosphino)ethane, 1,3-bis(diphenylphosphino)propane, 1,4-bis(diphenylphosphino)butane, 1,1'-bis(diphenylphosphino)ferrocene, 1,1'-bis(di-[2-propyl]-phosphino)ferrocene, 1,1'-bis(di-tert-butylphosphino)ferrocene, 1,2-bis(diphenylphosphino)benzene, 2,2'-bis(diphenylphosphino)-1,1'-biphenyl, 2,2'-bis(diphenylphosphino)-1,1'-binaphthyl, bis(2-diphenylphosphinophenyl)ether and 9,9-dimethyl-4,5-bis(diphenylphosphino)xanthene.

25. A process according to claim 24, wherein a transition metal salt is selected from the group consisting of nickel(II) chloride, nickel(II) bromide and nickel(II) acetylacetonate.
26. A process according to claim 24, wherein a transition metal catalyst is selected from the group consisting of dichlorobis(triphenylphosphine)nickel(II), dichloro[1,2-bis(diphenylphosphino)ethane]nickel(II) and dichloro[1,3-bis(diphenylphosphino)propane]nickel(II).
27. A process according to claim 24, wherein a transition metal salt is selected from the group consisting of palladium(II) chloride, palladium(II) bromide and palladium(II) acetate.
28. A process according to claim 24, wherein a transition metal catalyst is selected from the group consisting of dichlorobis(triphenylphosphine)palladium(II), dichloro[1,3-bis(diphenylphosphino)propane]palladium(II) and dichloro[1,1'-bis(diphenylphosphino)ferrocene]palladium(II), or a dichloromethane adduct thereof.
29. A process according to any one of claims 19 to 28, wherein a metal salt additive is selected from the group consisting of a copper(I), copper(II), zinc(II), silver(I), cadmium(II), mercury(II), aluminum(III), gallium(III), indium(III), tin(IV), titanium(IV) and zirconium(IV) salt.
30. A process according to claim 29, wherein the amount of metal salt additive used is between 0.1 and 8 molar% relative to a compound of formula (II c).
31. A process according to any one of claims 19 to 24, wherein X is chlorine; and a transition metal catalyst is a complex of nickel(0), or a complex of nickel(II) salt with at least one organophosphorus compound containing trivalent phosphorus; or a transition metal catalyst is a nickel(II) complex with an organophosphorus ligand which contains two trivalent phosphorus atoms.
32. A process according to claim 31, wherein a transition metal catalyst is dichloro[1,2-bis(diphenylphosphino)ethane]nickel(II); and a metal salt additive is ZnCl_2 or ZnBr_2 .
33. A process according to any one of claims 19 to 24, wherein X is bromine; and a transition metal catalyst is a complex of palladium(0), or a complex of a palladium(II) salt with at least one organophosphorus compound containing trivalent phosphorus; or a transition metal catalyst is a palladium(II) complex with an organophosphorus ligand which contains two trivalent phosphorus atoms.

34. A process according to claim 33, wherein a transition metal catalyst is dichloro[1,1'-bis(diphenylphosphino)ferrocene]palladium(II), or a dichloromethane adduct thereof; and a metal salt additive is ZnCl_2 or ZnBr_2 .

35. A process according to any one of claims 19 to 23, wherein a transition metal catalyst is an uncomplexed transition metal which is selected from the group consisting of nickel, palladium, platinum, cobalt, manganese or copper; or wherein a transition metal catalyst is an uncomplexed transition metal salt which is selected from the group consisting of nickel(II), palladium(II), platinum(II), cobalt(II), manganese(II), copper(I) or copper (II) chloride, bromide, iodide, hydroxide, oxide, acetate, hydroxyacetate, propionate, succinate, trifluoroacetate, acetylacetonate, nitrate, cyanide, sulfate, trifluoromethanesulfonate, methanesulfonate, benzenesulfonate or p-toluenesulfonate thereof.

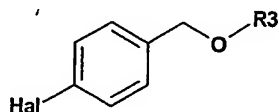
36. A process for the manufacture of the compound of formula (I)



(I C),

wherein Y represents a tetrazole protecting group, and R_3 represents a hydroxyl protecting group; comprising

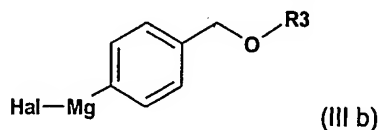
(a') reacting a compound of formula (III a)



(III a),

wherein Hal is chlorine, bromine or iodine, with an active form of magnesium in an appropriate solvent;

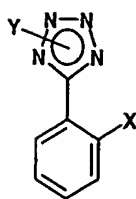
(b') reacting a resulting aryl magnesium halide compound of formula (III b)



(III b)

in the presence of a transition metal catalyst with a compound of formula (II c)

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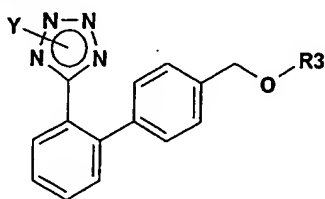


(II c),

wherein X is chlorine, in the absence of a metal salt additive; and, if necessary, isolating a resulting compound of formula (I C).

37. A process according to claim 36, wherein a transition metal catalyst is a complex of nickel(0), or a complex of nickel(II) salt with at least one organophosphorus compound containing trivalent phosphorus; or a transition metal catalyst is a nickel(II) complex with an organophosphorus ligand which contains two trivalent phosphorus atoms.

38. A compound of formula (I C)



(I C),

wherein Y represents a tetrazole protecting group, and R₃ represents a hydroxyl protecting group.

39. A compound according to claim 38, wherein Y and R₃, independently of one another, are 1-butoxyethyl, 1-ethoxyethyl, 2-tetrahydropyranyl or 2-tetrahydrofuranyl.